99 114 162 210 258 306 498 354 402 450 ATT CCCTTTTGGT GGG GGC AAC AAT CCA TTGACC AAC CTA ACC Ö TGATCTCTCT Z Н CAC ACT Ξ CAT GGT 出 AAT GAT z AAC AAT Ö Z TGT GAG ATT ACC GAC TTTU GAA CAC AGG GCT TAT H Н Ω 团 二 ፈ CAAGGGAATT CTGTACTTTG TCT GAATTTCCTT GGA C) O CTA TGT TCA LTA ζΩ ACT GGA GAC ATG CCA CAT GAT Ö TTGGTGAA ATG AAT CAT AAA ATT AAA ACT × GAG TCC Z 团 TTACATTICT AAACCTITCT TAAGAAATC AAG AAA ATA GTA ATC TAT ¥ AAG GTT GCH GAG AGA GGG ø GAA CAT GLL TAAAAACTAC GAC GAG TAC CTGCIG ACC CLT CAA Н TIGTAACAGA AAATTAAAAT ATACTCCACT AAG AAT × GGG TGL GCT ATT Ħ CAA GTA ACA AAG GAA AGG Ö ט TCTGAATTGC AGAAATCAGA ATA AGA AGA GAT GGA AAG CTTÖ 跘 × 民 Ö Σ GIG GAA H CAG GTG GAC ATG CAG GTI E Q 回 Σ GAA 臼 GCA GAA AGT Z AAC Ŋ AAAGTCTCAT GAA GAG GAC GAG AGA 闰 ATT TAT 团 CCA GCT AAT GCT CCC ပ္ပင္ပ AAA z ď μ CCC ĸ ф × 135 103 119 151 167

FIG. IA

642 069 738 882 930 786 834 GAA AAT GCT  $_{\rm TGC}$ ATG GAT TTTGTG CCI GTT AAA ATT CAT AGT GAG GAC ATC AAA GAA GAA GGA CAA AAT ATA ATC 999 GAT TIC ATT GCT CCIGGC CAT AAA GCT CAT CAT CIG ATC TAT ATT ACG GIC GAA GAT ATA CCA CTA AAA GAG AAA TGG AAT AGA GAT ATT AAT 999 GCC GAA GAC CTG TGC D GAT CAA AAG GIG GGG CGG CAT CCC GAT CTT GCA CCC CAA CCT CCC CAG AAA IAC CTG 279 295 199 215 231 247 263 183

1104 1224 1164 1044 984 ATTAATAT CTATTTCTAT ATACATAGCT CCTTTGTATT CTTACAAATT TCTTAAATTA GAAGTGTTTC TAMERANCAG ATTCAACTGC TACACGGTGT GTIGICCLLI GGTAGGCATC TAAGCAAATT GCTTACATCT ATGIATGIAG CITATICAAA CITGGGIAGC TCAACAITCT GATATATATA AAGTTAAAAA ATCACTTCCA TAAGAGTAGG TAG AA ATCATATTT GTAAGCTCCT TGCCTTATTC ATACATGATA CAGAATATAA BATTGAAATA CAT ATAGITIATI CTTTAAAGAT TGT TTA CCTAGCACAG CTGCTAGTCT 311

F16.1E

```
10v
                             20v
                                        30v
                                                             50v
 HLASP
          MTSCHIAEEHIQKVAIFGGTHGNELTGVFLVKHWLENGAEIQRTGLEVKPF
          MTSCH: AE: . I: KVAIFGGTHGNELTGVFLVKHWLEN: : EIQRTGLEVKPF
 BASPCDNA MTSCHVAEDPIKKVAIFGGTHGNELTGVFLVKHWLENSTEIQRTGLEVKPF
                 10^
                                      30^
                                                 40^
                60v
                           70v
                                     v08
                                                90v
                                                         100v
HLASP
          ITNPRAVKKCTRYIDCDLNRIFDLENLGKKMSEDLPYEVRRAQEINHLFGP
          ITNPRAVKKCTRYIDCDLNR: FD ENLGKK. SEDLPYEVRRAQEINHLFGP
BASPCDNA ITNPRAVKKCTRYIDCDLNRVFDPENLGKKKSEDLPYEVRRAQEINHLFGP
                60^
                           70^
                                     80^
                                                90^
                                                         100^
              110v
                         120v
                                   130v
                                              140v
                                                        150v
          KDSEDSYDIIFDLHN'TTSNMGCTLILEDSRNNFLIQMFHYIKTSLAPLPCY
HLASP
          KDSEDSYDIIFDLHN'TTSNMGCTLILEDSRN:FLIQMFHYIKTSLAPLPCY
BASPCDNA KDSEDSYDIIFDLHN TTSNMGCTLILEDSRNDFLIQMFHYIKTSLAPLPCY
              110^
                        120^
                                   130^
                                             140^
                                                        150^
             160v
                       170v
                                  180v
                                            190v
                                                       200v
HLASP
          VYLIEHPSLKYATTRSIAKYPVGIEVGPQPQGVLRADILDQMRKMIKHALD
          VYLIEHPSLKYATTRSIAKYPVGIEVGPQPQGVLRADILDQMRKMI: HALD
BASPCDNA VYLIEHPSLKYATTRSIAKYPVGIEVGPQPQGVLRADILDQMRKMIQHALD
             160^
                       170^
                                  180^
            210v
                      220v
                                 230v
                                           240v
                                                      250v
HLASP
         FIHHFNEGKEFPPCAIEVYKIIEKVDYPRDENGEIAAIIHPNLQDQDWKPL
         FIH: FNEGKEFPPCAIEVYKI: KVDYPR: E: GEI: AIIHP: LQDQDWKPL
BASPCDNA FIHNFNEGKEFPPCAIEVYKIMRKVDYPRNESGEISAIIHPKLQDQDWKPL
            210^
                      220^
                                 230^
                                           240^
                                                      250^
                     270v
                               280v
                                          290v
                                                     300v
HLASP
         HPGDPMFLTLDGKTIPLGGDCTVYPVFVNEAAYYEKKEAFAKTTKLTLNAK
         HP.DP:FLTLDGKTIPLGGD TVYPVFVNEAAYYEKKEAFAKTTKLTLNA:
BASPCDNA HPEDPVFLTLDGKTIPLGGDQTVYPVFVNEAAYYEKKEAFAKTTKLTLNAN
         - 260^
                     270^
                               280^
                                          290^
                                                     300^
         310v
HLASP
         SIRCCLH
         SIR. LH
BASPCDNA SIRSSLH
         310^
```

FIG. 2

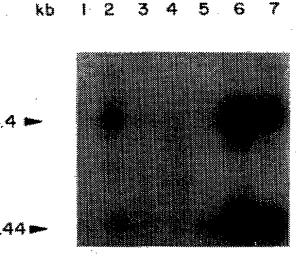
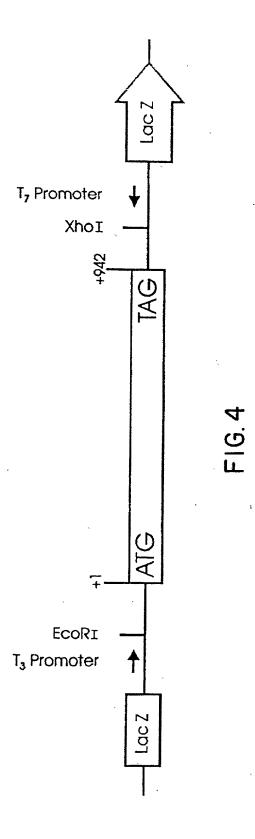
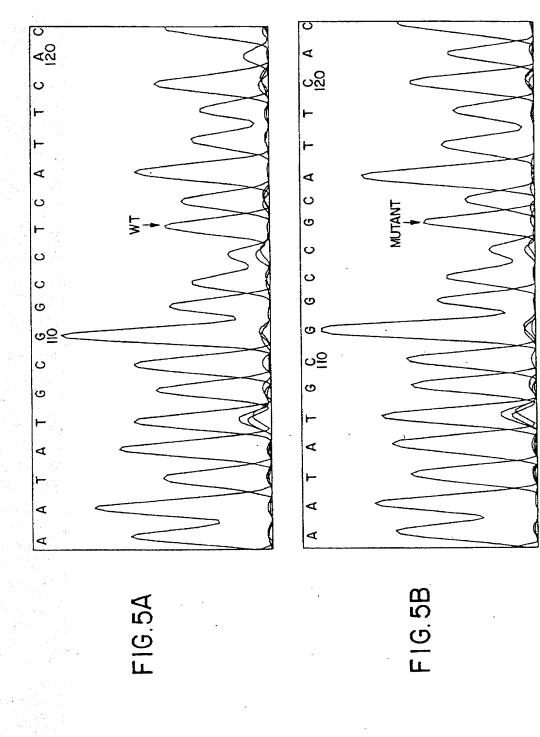
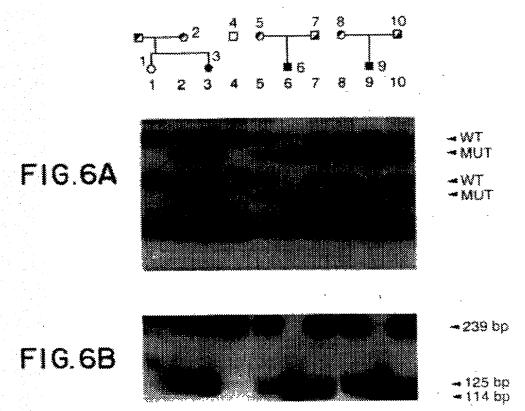


FIG. 3







ATGAC	EA AS ME 1 H	SA PE E3	rca:	ር <b>ል</b> ሞ	ሞፍሮ	ጥርል	AGA	A C A'	<b>ፐል</b> ጥ	M B O 2	AAA	E C 5 7	]	M N L 1	·CT·T	TGG.			SESS ACAA
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N L A 3		rGA	A L U I GCT.	BB SC AA W7 /	H P A 2 / CGG	AGT	'ATT	TCT	R U 9: GGT	SM PS OE 11	GCA	TTG	RM MA AE 11 / GCT	AGA	.GAA	I N P	HH HA AE 12	D FN E IF 1 11 / / TGAG	
GTACC		CT	CGA'	TTG	GCC	TCA	TAA	AGA	CCA	ATT	CGT	AAC	CGA					e	120
ATTCA	GAGA	M N L 1	AGG		+ GGA		 AAA	ACC	+	 TAT	BPM 1	-+- TAA		 CAG	·+	AGT	 GAA	+ GAAG	
TAAGT																		+ CTTC	180
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FIG. 7(a)

CR	M				М			TH					_						
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PA	o				E			IF											
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01	. 2				J			11											
TGTA	CCA	SATA	rat.	TGA	ACTO	TG?	ACC1	/ IGAA	TCG	CAI	TT	TGA	CCI	TGA	<b>AAA</b>	TCI	TGG	CAA	A
ACAT	GGT	CAT	ATA	LACT	rGAC	CACI	rggi	CTI	AGC	GTA	AAA	ACI	GGA	ACT	+ TTI	'AGA	ACC	GTT	+ 24 T
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AAAA'	TGT	AGA	AGA	TTI	GCC	ATA	TGA	AGT	'GAG	AAG	GGC	/ ምርቅ	AGA	א א ח	מממי	ጥሮል	ւ <b>րդ</b> ուր	ነ ውጥ	ጥ
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GGTC	CAAA	AGA	CAG	TGA	AGA	TTC	CTA	TGA	CAT	TAT	TTI	TGA	CCT	TCA	CAA	CAC	CAC	CTC	T
CCAG	GTTI	TCT	GTC	ACT	TCT	'AAG	GAT	ACT	GTA	 ATA	AAA	ACT	GGA	 AGI	GTT	GTG	GTG	GAG	+ 36 A
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FIG. 7(b)

AACAT		GTG		CT	rat:			FN IF 11 /GGA	+-'-	PC YR 11 / CAG		+			AAT'			+	420
TTGTA	cccc	CAC	GTGA	AGA	ATA.	AGA.	ACT	CCT.	AAG	GTC	CTT	TT	GAA.	AAA	TTA.	AGT	CTA	CAAA	
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CATTA	CATI		GACT	rrc	TCT	GGC	TCC	ACT	ACC	CTG	CTA	CGT	TTA	TCT	GAT	TGA	.GCA	TCCT	
GTAAT																			
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A N			L 1		,													A 2	
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TCCCT		-+-			+				+			-+-						+	540
AGGGA	GTT?	TAT	ACG	CTG	GTG	AGC	AAG	GTA	TCG	GŢI	CAT	AGG	ACA	ccc	ATA	TCI	'i CA	ACCA	•
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FIG. 7(c)

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	SL																	NHN		
	PA																N	LAL		
	H3																	111		
CA'			TGA	TTT	TAT	ACA	TCA	TTT	CAA	TG	AAGG	AAA	AGA	ATT	TCC	TCC		/ cgc	CATT	
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GI	MCG	NGA	TWC1	AAA	ATA	1.6.1	AGT	AAA	G'I"I	'AC'	rrcc	T.I.I.	TCT	TAA	AGG	AGG	GAC	GCG	GTAA	
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GA	GT	CTA	TAA	AAT															TGCT	
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FIG. 7(d)

- G									
	S	PBMDD	F			ESASE	BSBX	BNMDD	В
	F	SIBPP	0			CEPCS	SSFIH.	ALBPP	1
	C	TNONN	ĸ			RCYRA	AANO	ИИОАМ	N
•	1	11121	1			21113	IJNLZ	14121	1
		1111				11	11 11	IIIII	1
GCTATCATCCATCC									
CGATAGTAGGTAGG									780
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N TM	В	MUBBE	anewa	BBAB	_	R	CR		
L RS	В		PPIBL		-	S	SS		
A UE	v -		МОИИГ		_	À	PA		
3 91	2		11122	Y112	_	i	61		
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ATGTTTTTAACTCT	TGATGGGA				AGACTO	TACCO	STGTA	cccc	
TACAAAAATTGAGA m f l t l		TCTGCTA(	ggtgA p l	g g	TCTGAC			GGGG	840
	,+		+	+-				+	•
CV	11773			•• •					
SM PN	HIFA			HA					
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GTGTTTGTGAATGA		ATTACCA:	44544	AGAAGC	ምምምምራር የ	AAAG	26426	מממיד	
	+								900
CACAAACACTTACT									200
4. 4.									
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FIG. 7(e)

	AAC		-+-			+		N F 3 TCG		CTG	TTI 		-+-			+				
		i 1																	FAAT Y	G
		ACA	CGG	TGT	CTT	ACA		TCT	RM MA AE 11 /GCT	AGT	cto	TAJ	1	AT FR LU 29	/ M S E 1 /				TGT	
10	~ N N	ST COL	~~~	2 ~ 2	~ x x	m/~m														
		ATGT h					TTA	AGA	.CGA	TCA	GAC	CTA	CGA	GGA	ATT	CTC		CCZ	AACA	
<b>i</b>	1	h	g -+-	v	1	q + Bsp.	i  A L U 1	AGA  1   R  M  A  1  TCC	CGA  1  M A E 1 /TAG	V +	GAC C	k k	l +-	l I	k H N F 3	'AGG	r	V D D E 1	AACA	C +

FIG.7(f)

<b>ልል</b> ፒፒ	TCI	/ M S JE J J J T A	: : :: ::	RS EUE L91 // FTA	PATA	RS JE 91 // NAT.	ATA:	1 t e rcr:	JOM RRS JAE 911 /	AAG.	E C R V ATA	rcan	TATI	'TT'	ATG?	rat(	A I U I I	j SCTT	TATT	1140
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TTC	V RM RS JE JE / TTA	AT!	<b>A</b> AA	CAG	cct	TTC	STAT	TCA	.GAA	.TAT	ፋልልን	TTA.	'GA'A	ATA	.GAT	ĄTĄ'	TAT.	እእአ	TM RS UE 91 /	
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FIG. 7(g)